Rec'd PCTAPTO 09 APR 2005

Approved for use through 07/31/2006. OMB 0651-0032 SUBSTITUTE for PTO/SB/01 (08-03), DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

DECLARATI	ON AND	Attorney Docket Number	21113P	113P								
POWER OF AT		First Named Inventor	Xia, et al.									
PATENT APPL		CO	OMPLETE IF KNOWN									
(37 CFR 1		Application Number										
Declaration Submitted	Declaration Submitted after Initial	Filing Date										
with Initial OR Filing	Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit										
	required)	Examiner Name										
As a below named invento	r. I hereby declare th	at:										
		are as stated below next to my n	ame.									
) or an original, first and joint invenent is sought on the invention entitle									
ASSAY METHODS FOR ST	ATE-DEPENDENT C	ALCIUM CHANNEL MODUL	ATORS									
the specification of which	the specification of which (Title of the Invention)											
bears the Attorney Docket Number and Title of the Invention noted above												
OR is attached hereto												
OR was filed on (MM/DD/	/YYYY)	as United States Ap	plication Number or PCT Internatio	nal								
Application Number		was amended on (MM/DD/YY)	(if applied specification, including the clai	plicable).								
amended by any amendmen			nod spoomounon, moraums are our	, 40								
as defined in 37 CFR 1.56, i	including for continuati	ion-in-part applications, materia	tion known to me to be material to p I information which became availab date of the continuation-in-part appl	ole between								
I hereby claim foreign priorit	ty benefits under 35 U.	S.C. 119(a)-(d) or (f) or 365(b)	of any foreign application(s) for pat	ent or inventor's								
America, listed below and ha	ive also identified belo	w, by checking the box, any for	ast one country other than the Unite eign application for patent or invent cation on which priority is claimed.									
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)		Priority Claimed? YES NO								
PCT/US03/31822	PCT	10/09/2003	21113-PCT	\boxtimes								
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Additional foreign applica	l ation numbers are listed or	n a supplemental priority data sheet	PTO/SB/02B attached hereto.									
I hereby claim the benefit under	r 35 U.S.C. 119(e) of any	United States provisional application	n(s) listed below.									
Application Nun	nber(s)	Filing Date (MM/DD/YYYY)	Attorney Docket N	Attorney Docket Number								
60/418,017	1	0/10/2002	21113PV									
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[Page 1 of 3]

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

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date of this	U.S. Parent Ap			rent				Paren (MM/		g Date				atent Number	
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60/418,017							10/10/2002								
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As a named i	nal U.S. or PC	v appoin	t, respect	ively	and indi	vidually,	as m	y attorne	y(s) 01	r agent(s) v	vith full p	ower of	substitut	ion and revocat	ion, the
following reg connected the	istered practition		Customer OR	Num	ber titioner(s) name/				iss in the U		es Paten	it and Tra		
	Name				Regist Nun	ration nber				Na	me			Registra Numb	
Vineet Kohli	Vineet Kohli 37,003								М. С	Giesser			دُ	32.838	
Alysia A. Finn	egan			48,8	78			Joan E.	Swit	tzer				34,740	
John David Re	illy			43,0	39										
									_						
Direct all co	orrespondence	to: X	Custo	mer N	Number	00	002	210							_
Name	Vineet Kohl	i													
Address	Merck & Co	., Inc	Patent I	Depar	tment										
Address	P.O. Box 20	00, RY	60-30												
City	Rahway							State	NJ		ZIP		07065-0	907	
Country	USA				Tele	phone	(73	2)594-3	889		Fax		(732)59	4-4720	
belief are be the like so r	elieved to be	rue; and shable b	further y fine o	that i	these sta	atement ent, or b	s we	re made under 1	with 8 U.S	the know	ledge tha	at willf	ul false	information ar statements and se statements	d
Name of Sole	or First Inve	ntor:						A p	etitic	on has bee	n filed fo	or this	unsignec	linventor	
	iven Name (first an	d midd	le [if	any])					F	amily N	ame o	r Surna	me	
Menghang Inventor's							•	Xia	<u> </u>	_		Ι.			
Signature	nature Menghang								A			'	19/	04	
Residence: City	City State PA						Country US				Citizenship US				
Post Office Address	Mer	ck & Co	., Inc.,	P.O.	Box 200	00									
City	Rah	way						State	e]	NJ	ZIP		07065	5-0907	
X Additiona	l inventors are	being na	med on t	he	l supp	lemental	Add	itional In	vento	rs(s) sheet(s) PTO/SI	3/02A a	ttached h	ereto.	



DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Additiona			<u></u>		A petition has been filed for this unsigned inventor							
	Name (first a	nd middle [i	f any])				Fa	amily Na	ame or Surnai	me		
Thomas M.					Conno	lly		, ,				
Inventor's Signature	Mom	u M.	Con	usll	1			Date	1/	9/04		
City -	ansdale	PA	State	PA	Cou	ntry	us		Citizenship	us		
Post Office Address	Merck & C	co., Inc., P.O.	Box 200	00		_						
City	Rahway				State	NJ		ZIP	07065-090	7		
Name of Additiona	l Joint Invent	or, if any:			A	A petition has been filed for this unsigned inventor						
Given	Name (first a	nd middle [i	f any])				Fa	amily Na	ame or Surnai	me		
Paul B.				_	Benner	t, Jr.			ī			
Inventor's Signature							ý)	Date				
City -	lew Hope	PA	State	PA	Country US Citizenship US							
Post Office Address	Merck & C	o., Inc., P.O.	Box 200	00			,					
City	y Rahway							ZIP	07065-090	7		
Name of Additiona					A	petiti			or this unsigne			
	Name (first a	nd middle [if	f any])				Fa	amily Na	me or Surnar	ne		
Charles J.					Cohen							
Inventor's Signature								Date				
Residence: P.	oway	PA	State	CA	Cou	ntry	US		Citizenship	us		
Post Office Address	Merck & C	o., Inc., P.O.	Box 200	00		T						
City	Rahway		<u> </u>		State	NJ	2	ZIP	07065-090	7		
Name of Additiona					A	petitio			or this unsigne			
Given	Name (first a	nd middle [if	fany])				Fa	amily Na	ime or Surnar	ne		
Inventor's Signature						Date						
Residence: City			State		Cou	ntry			Citizenship			
Post Office Address	Merck & C	o., Inc., P.O.	Box 200	00								
City	Rahway				State NJ ZII			ZIP	07065-0907			

DECLARATI	ON AND	Attori	ney Docket Number	2111	13P							
POWER OF AT		First I	Named Inventor	Xia,	et al.							
PATENT APPL	ICATION		CC	OMPL	ETE IF KNOWN							
(37 CFR 1.		Applic	cation Number									
Declaration Submitted	Declaration Submitted after Initial	Filing	Date									
with Initial OR Filing	Filing (surcharge (37 CFR 1.16 (e)) required)	Group	Art Unit									
		Exami	ner Name	<u> </u>								
As a below named inventor	r. I hereby declare tha	at:										
My residence, post office ad	-		ated helow next to my n	name.								
I believe I am the original, finames are listed below) of the	irst and sole inventor (i	if only o	ne name is listed below	/) or an				ıral				
ASSAY METHODS FOR STATE-DEPENDENT CALCIUM CHANNEL MODULATORS												
(Title of the Invention)												
the specification of which Solution Dears the Attorney Docket Number and Title of the Invention noted above												
OR is attached hereto												
OR was filed on (MM/DD/	YYYY)		as United States Ap	plicati	on Number or PCT Inte	rnation	nal	1				
Application Number	and v	was ame	nded on (MM/DD/YY)	YY) [(if appl	licable).					
I hereby state that I have rev amended by any amendment	iewed and understand	the conte	ents of the above identi		pecification, including th	ne clain	ns, as					
I acknowledge the duty to di as defined in 37 CFR 1.56, in the filing date of the prior ap	ncluding for continuati	ion-in-pa	rt applications, materia	al infor	mation which became a	vailabl	e betwee					
I hereby claim foreign priorit certificate(s), or 365(a) of any America, listed below and ha or of any PCT international a	y PCT international apport of the property of	plication w, by ch	which designated at leacking the box, any for	east one eign ap	e country other than the pplication for patent or i	United invento	l States o	\mathbf{f}				
Prior Foreign Application Number(s)	Country		Foreign Filing Date (MM/DD/YYYY)		Attorney Docket Num	ber	Priority (Claimed?				
PCT/US03/31822	PCT		10/09/2003	,	21113-PCT		X					
								$\overline{\Box}$				
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Additional foreign applica	tion numbers are listed or	n a supple	mental priority data sheet	PTO/S	B/02B attached hereto.							
I hereby claim the benefit under	35 U.S.C. 119(e) of any U	United Sta	ates provisional application	n(s) list	ted below.							
Application Num	ıber(s)		Filing Date (MM/DD/YYYY)		Attorney Docket Number							
60/418,017		0/10/20	·		21113PV							
												
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DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

designating t is not disclos 35 U.S.C. 11	m the benefit under he United States of ed in the prior Unit 2, I acknowledge the which became avan pplication.	America, lis ed States or late duty to dis	ted belove PCT intended information in the contraction in the contract	v and, ins rnational ormation	ofar a applio know	as the sucation in	ubje n the e to	ct matter e manner be mater	of each o provided ial to pate	f the cl by the ntabili	laims of first pa ty as def	this application ragraph of fined in	
	U.S. Parent Application Application N		:			Parent F						atent Number plicable)	
PCT/US03/3182				10	0/09/2								
60/418,017	·			10	10/10/2002								
Additiona	al U.S. or PCT interna	itional applica	tion numb	ers are list	ed on	a supple	men	tal priority	data sheet	PTO/S	B/02B at	tached hereto.	
	stered practitioner(s) t		s applicat	ion and to	transa	ct all bus	sines	ss in the U	nited State				
	Name			ration nber				Na	me			Registration Number	
Vineet Kohli	Vineet Kohli 37,003							iesser			3	32,838	
Alysia A. Finne	gan	48,	878		Jo	Joan E. Switzer						4,740	
John David Reil	lly	43,	039										
Direct all cor	respondence to: X	Customer	Number	000	021	0							
Name	Vineet Kohli												
Address	Merck & Co., Inc.	Patent Depa	rtment									· 	
Address	P.O. Box 2000, R	Y60-30											
City	Rahway				Sta	ite N	۷J		ZIP	(07065-0	907	
Country	USA		Tele	phone ((732)5	594-388	39		Fax		(732)594	4-4720	
belief are bel the like so m	are that all statement ieved to be true; an ade are punishable ze the validity of th	d further that by fine or im	these st	atements ent, or bo	were : th, un	made wider 18 l	vith	the know	ledge tha	t willfi	ıl false s	tatements and	
Name of Sole o	r First Inventor:					A pet	titio	n has bee	n filed fo	r this u	nsigned	inventor	
	ven Name (first a	nd middle [i	if any])		-			F	amily Na	ime or	Surnai	me	_
Menghang Inventor's					X	ia		i				 .	
Signature						Date							
Residence: City	Blue Bell		Count	try	us	Citizenship US			us				
Post Office Address	Merck & C	o., Inc., P.O	. Box 20	00							<u>,</u>		
City	Rahway					State	1	V J	ZIP		07065	-0907	
X Additional	inventors are being n	amed on the _	1_supp	lemental A	Additio	onal Inve	ntor	s(s) sheet(s) PTO/SB	/02A at	tached he	ereto.	

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Addition	nal J	oint Inventor, if any:			A petition has been filed for this unsigned inventor							
Give	n Na	ame (first and middle [if	fany])					F	amily Na	ame or Surna	me	
Thomas M.					C	onnol	ly					
Inventor's Signature									Date			
Residence: City	Lan	sdale	State	PA		Cou	ntry	US		Citizenship	US	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00								
City		Rahway			Sta	te	NJ		ZIP	07065-090	7	
Name of Addition	nal J	oint Inventor, if any:		A petition has been filed for this unsigned inventor								
Give	n Na	ame (first and middle [it	any])	y]) Family Name or Surname								
Paul B.				. = 48	В	ennet	t, Jr.					
Inventor's Signature		e and in	کــــ	-					Date	02-0	4-2204	
Residence: City	Nev	v Hope	State	PA		Cou	ntry	US		Citizenship	US	
Post Office Address		Merck & Co., Inc., P.O.										
City		Rahway			Sta	te	NJ		ZIP	07065-090	7	
Name of Addition	ıal J	oint Inventor, if any:] A	petitie	on has be	een filed f	or this unsigne	d inventor	
Give	n Na	nme (first and middle [if	any])					F	amily Na	ame or Surnai	me	
Charles J.				Cohen .								
Inventor's Signature									Date			
Residence: City	Pow	ay	State	CA		Cou	ntry	US		Citizenship	US	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	0						<u>-</u>		
City		Rahway			Sta	te	NJ		ZIP	07065-090	7	
		oint Inventor, if any:] A	petitio			or this unsigne	1 32	
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Inventor's Signature									Date			
Residence: City			State			Cou	ntry			Citizenship		
Post Office Address		Merck & Co., Inc., P.O.	Box 200	0								
City		Rahway		Sta	State NJ			ZIP	07065-090	07065-0907		

SUBSTITUTE for PTO/SB/01 (08-03), DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

DECLARATION AND	Attorney Docket Number	21113P									
POWER OF ATTORNEY FOR UTILITY OR DESIGN	First Named Inventor	Xia, et al.									
PATENT APPLICATION	CO	OMPLETE IF KNOWN									
(37 CFR 1.63)	Application Number										
Declaration Submitted Declaration Submitted	Filing Date										
with Initial OR Filing (surcharge Filing (37 CFR 1.16 (e))	Group Art Unit										
required)	Examiner Name										
As a below named inventor, I hereby declare tha	t:										
My residence, post office address, and citizenship are as stated below next to my name.											
I believe I am the original, first and sole inventor (if names are listed below) of the subject matter which	only one name is listed below is claimed and for which a pat) or an original, first and joint inventor (if plural ent is sought on the invention entitled:									
ASSAY METHODS FOR STATE-DEPENDENT CA	ALCILIM CHANNEL MODUL	ATORS									
ASSAT METHODS FOR STATE-DELENDENT CA	ALCIOM CHANNEL MODUL										
the specification of which	(Title of the Invention)										
bears the Attorney Docket Number and Title o	f the Invention noted above										
OR											
is attached hereto											
was filed on (MM/DD/YYYY)	as United States Ap	plication Number or PCT International									
Application Number and w	as amended on (MM/DD/YY)	(if applicable).									
I hereby state that I have reviewed and understand the amended by any amendment specifically referred to		fied specification, including the claims, as									
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.											
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.											

Prior Foreign Application		Foreign Filing Date	10	Priority	Claimed?
Number(s)	Country	(MM/DD/YYYY)	Attorney Docket Number	YES	NO
PCT/US03/31822	PCT	10/09/2003	21113-PCT	X	

	Additional foreign app	lication numbers are lis	ted on a supplementa	l priority data sheet I	PTO/SB/02B attached hereto
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I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below. Filing Date Application Number(s) (MM/DD/YYYY) **Attorney Docket Number** 21113PV 10/10/2002 60/418,017

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

I hereby clai designating to is not disclose 35 U.S.C. 11 37 CFR 1.56 date of this a	the Unit sed in the 2, I ack which	ted States of he prior Unit knowledge th h became ava	America, ed States ae duty to	liste or PC discl	d belov CT inter ose info	v and, ins mational ormation	sofar appl kno	as the lication wn to r	subje in th ne to	ect matter ne manner be mater	of each o provided ial to pate	f the c by the ntabili	laims o e first p ity as de	f this apparaged fragraphefined in	olication of
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<u> </u>		or PCT interna													
As a named in following regi connected the	stered p	ractitioner(s) t	o prosecute Customer OR	e this a	applicat	ion and to	trans	sact all b	ousine	er agent(s) ess in the U	Inited State	wer of s Paten	substitu t and Tra	tion and reademark (evocation, the Office
	Nan	ne			Regist Nun	ration nber				Na	me				gistration Number
Vineet Kohli				37,00)3			Joanne	М. С	Giesser				32,838	
Alysia A. Finne	gan		78			Joan E.	Swi	tzer	·			34,740			
John David Rei	illy 43,039														
Direct all con	respon	dence to: X	Custor	ner N	umber	00	02	10		·					
Name	Vineet	Kohli													
Address	Merck	& Co., Inc	Patent D	epart	ment										
Address	P.O. Be	ox 2000, R	Y60-30												
City	Rahwa	у					St	ate	NJ		ZIP		07065-	0907	
Country	USA				Tele	phone	(732)594-3	889		Fax		(732)59	94-4720	
I hereby dec belief are be the like so m may jeopard	lieved t ade are	o be true; an punishable	d further by fine or	that th	hese sta isonme	atements ent, or bo	were	e made inder 18	with 8 U.S	the know	ledge tha	t willfi	ul false	statemer	its and
Name of Sole o	r First	Inventor:						Ap	etitio	on has bee	en filed fo	r this ı	ınsigne	d invento	or
	ven Na	ame (first a	nd middl	e [if	any])	_				F	amily Na	me o	r Surna	ame	
Menghang	1							Xia ———				<u> </u>			
Inventor's Signature											Date	ate			
Residence: City	Blue Bell State PA						Cou	ntry	US		Citiz	enship	us _		
Post Office Address	Merck & Co., Inc., P.O. Box 2000														
City		Rahway						State	e	NJ	ZIP		0706	5-0907	
X Additional	Additional inventors are being named on the supplemental Additional Inventors(s) sheet(s) PTO/SB/02A attached hereto.														

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Additional Joint Inventor, if any:							A petition has been filed for this unsigned inventor									
Give	n Na	ame (first and m	iddle [if	fany])		\perp	Family Name or Surname									
Thomas M.						C	Connol	ly								
Inventor's Signature										Date						
Residence: City	Lan	sdale		State	PA		Cou	ntry	US		C	itizenship	US			
Post Office Address		Merck & Co., Inc	e., P.O.	Box 200	00	·		-								
City		Rahway				Sta	ite	NJ		ZIP		07065-0907	7			
Name of Addition	nal J	oint Inventor, if	any:				A petition has been filed for this unsigned inventor									
Give	n Na	ame (first and m	iddle [if	any])					F	amily Na	am	e or Surnar	ne			
Paul B.						В	Bennett, Jr.									
Inventor's Signature										Date						
Residence: City	New	v Hope	PA		Country US Citizenship						US					
Post Office Address		Merck & Co., Inc	00	,												
City	Rahway					Sta	ite	NJ		ZIP		07065-0907	7			
Name of Addition	nal J	oint Inventor, if	any:] A	petiti	on has be	een filed f	for 1	this unsigne	d inve	ntor		
Give	n Na	me (first and m	iddle [if	fany])		_			F	amily Na	am	e or Surnar	ne			
Charles J.						Cohen										
Inventor's Signature	(Rails	(6	hen	_					Date	_	Januar	7	14	200	14
Residence: City	Pow	ay		State	CA		Country US					Citizenship US				
Post Office Address		Merck & Co., Inc	., P.O.	Box 200	00											
City		Rahway		_		Sta	ite	NJ		ZIP		07065-0907	7			
Name of Addition	nal J	oint Inventor, if	any:				A	petiti				this unsigne		ntor		
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Inventor's Signature										Date						
Residence: City	State						Cou	ntry			C	itizenship				
Post Office Address	Merck & Co., Inc., P.O. Box 2000															
City		Rahway					State NJ			ZIP	07065-0907					